

Typical BACHELOR DEGREE AT ULG – option Mechanics

http://progcours.ulg.ac.be/cocoon/en/programmes/A1ICIV01_C.html#

(In **yellow the lectures** that refer to the pre-requisites for the EMSHIP+ MASTER)

Bachelor in engineering

Cycle view

Block view



Cycle view of the study programme

Bl Or Th Pr Ot Cr

Compulsory courses (B1 : 60Cr, B2 : 40Cr, B3 : 15Cr)

CHIM9272-2	Chemistry 1 - Benoît HEINRICHS - [4h Labo.]	B1	25	20	[+]	4
CHIM9273-1	Chemistry 2 - Benoît HEINRICHS - [12h Labo.]	B1	25	20	[+]	5
ECON0323-1	First principles of economics	B1	30	-	-	3
INFO2009-2	Introduction to computer science - Benoît DONNET - [8h Labo.]	B1	24	14	[+]	4
INFO0061-3	Computers organization - Bernard BOIGELOT	B1	25	20	-	5
LANG0038-2	English - Christine FILOT, Stéphane GHIJSEN, ISLV - [5h Proj.]	B1	20	60	[+]	5
MATH0001-2	Graphic Communication - Eric BÉCHET	B1	20	20	-	4
MATH0002-4	Mathematical analysis 1 - Eric DELHEZ	B1	22	22	-	4
MATH0502-1	Mathematical Analysis 2 - Eric DELHEZ	B1	22	24	-	5
	Corequisite					
MATH0003-1	Geometry - Pierre LECOMTE	B1	25	15	-	3
	Corequisite					
MATH0013-1	Algebra - Eric DELHEZ	B1	30	20	-	5
PHYS2020-1	Physics 1 : Mechanics - Hervé CAPS	B1	20	20	-	4
PHYS2021-1	Physics 2 : Electricity and electromagnetism - Hervé CAPS	B1	30	30	-	5
	Corequisite					
PROJ0001-1	Introduction to numerical methods and project - Olivier BRULS, Quentin LOUVEAUX, Frédéric NGUYEN - [2h Labo., 28h Proj.]	B1	10	-	[+]	3
	Corequisite					
INGE0009-1	Introduction to Engineer's Careers - Luc COURARD, Eric DELHEZ, Damien ERNST, Benoît HEINRICHS - [1d FW]	B1	10	-	[+]	1
CHIM0286-1	Rudiments of thermodynamics - Benoît HEINRICHS	B2	30	30	-	5
	Corequisite					
GENV0001-1	Environmental engineering - Alain DASSARGUES, Benjamin DEWALS, Angélique LÉONARD - [30h Proj., 1d FW]	B2	30	-	[+]	4
LANG0039-2	English 2 (english language) - Christine FILOT, ISLV - [20h Proj.]	B2	-	30	[+]	3
	Corequisite					
MATH0006-3	Introduction to numerical analysis (english language) - Quentin LOUVEAUX	B2	20	20	-	4
	Corequisite					

MATH0007-4	Mathematical analysis III - Françoise BASTIN Corequisite	B2	30	30	-	5
MECA0001-2	Mechanics of materials - Jean-Pierre JASPART - [2h Labo., 12h Proj.] Corequisite	B2	30	28	[+]	5
MECA0003-2	Rational Mechanics - Eric DELHEZ Corequisite	B2	20	30	-	4
MECA0011-2	Fluid Mechanics : Basics - Michel PIROTTON - [25h Proj.] Corequisite	B2	20	30	[+]	4
PHYS2022-2	Physics 3 : Waves and quanta - Geoffroy LUMAY Corequisite	B2	20	10	-	3
MATH0062-1	Elements of probability calculus - Louis WEHENKEL - [25h Proj.] Corequisite	B2	15	10	[+]	3
DROI0724-1	Law and engineering - Christine BIQUET, Jacques CLESSE, Vanessa FRANSSSEN, Pascale LECOCCQ	B3	30	-	-	2
GENV0002-1	Sustainable energy (english language) - Pierre DEWALLEF, Damien ERNST, Nathalie JOB, Sigrid REITER - [20h Proj.]	B3	30	8	[+]	3
MATH0487-2	Elements of statistics - Louis WEHENKEL - [25h Proj.] Corequisite	B3	15	10	[+]	3
SYST0002-2	Modelling and analysis of systems - Guillaume DRION - [15h Proj.] Prerequisite Corequisite	B3	30	30	[+]	5
MATH0488-1	Elements of stochastic processes - Maarten ARNST, Vincent DENOËL, Pierre GEURTS, Louis WEHENKEL - [30h Proj.] Prerequisite Corequisite	B3	10	10	[+]	2

OPTIONAL LECTURES

Domaine de la mécanique

MECA0445-2	Heat transfer (english language) - Pierre DEWALLEF, Vincent TERRAPON - [4h Labo., 9h Proj.] Corequisite	B2	30	26	[+]	5	
MECA0012-6	Solid mechanics - Laurent DUCHENE - [15h Proj.] Corequisite	B2	30	30	[+]	5	
MECA0002-1	Applied Thermodynamics and Introduction to Heat Engines - Olivier LÉONARD Prerequisite Corequisite	B3	30	30	-	5	
MECA0155-2	Dynamics of Mechanical Systems - Jean-Claude GOLINVAL - [5h Labo., 10h Proj.] Corequisite	B3	30	30	[+]	5	
PHYS0904-4	Physics of materials - Jacqueline LECOMTE-BECKERS - [1d FW]	B3	30	30	[+]	5	
MECA0444-1	Conception mécanique et usinage - Jean-François DEBONGNIE - [15h Labo., 11h Proj., 0,5d FW] Corequisite	B3	Q2	30	-	[+]	5
MECA0025-3	Fluid Mechanics - Eric DELHEZ - [30h Proj.] Corequisite	B3	30	30	[+]	5	
MECA0036-2	Finite Element Method (english language) - Jean-Philippe PONTHOT - [40h Proj.] Corequisite	B3	30	30	[+]	5	